RadioShack®

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Dual Display Conversion Calculator

Owner's Manual

Please read before using this equipment.

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❒ Features

Your RadioShack Dual Display Conversion Calculator is easy and fun to use, and performs 276 instant conversions! Its unique dual display lets you see your entry on one screen and the results on a second screen at the same time. Its other features include:

12-Digit (8+4) Dual Display — makes it easy to read calculation results.

Easy-to-Use Conversion Keys — let you convert length, area, cubic, volume, weight, temperature, pressure and energy measurements from U.S. to metric and metric to U.S.

Decimal/Fraction Conversion Key — lets you easily convert commonly used

fractions to decimals and decimals to fractions.

3-Key Memory — saves important subtotals and lets you add to and subtract from them.

❒ *Operation*

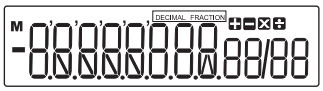
REMOVING THE BATTERY INSULATION SLIP

Before you can use your calculator, you must remove the battery insulation slip from the battery compartment (located on the bottom of the calculator) by grasping the tab and pulling it away from the calculator.

TURNING ON/OFF THE CALCULATOR

To turn on the calculator, press **ON/OFF (AC)**, *0.* appears on the right display. To turn off the calculator, press **ON/OFF** for about 2 seconds.

Right Display



Note: To conserve battery power, the calculator automatically turns itself off if you do not press a key within about 4 minutes.

CORRECTING ENTRY ERRORS

If you enter an incorrect value, press **C/CE** once. Then enter the correct value and continue your calculation.

To clear the display for a new calculation, press **AC** so *0.* appears, then begin the new calculation. If you press an incorrect operator key (**+**, **–**, **×**, **÷**), simply press the correct key and continue your calculation.

CALCULATIONS

You can enter basic, square root, mixed, percentage add-on, and discount calculations as you would on most other calculators.

Basic Calculations

You Press	You See
4 × 3 =	12.
6 ÷ 2 =	3.
5 ÷ =	0.2.

Note: To enter a negative number, enter the number, then **+/–**.

Square Root and Percentage Calculations

You Press	You See
2 √	1.4142135.
30 × 5%	1.5
16 √	4.

Note: If you are using your calculator with FRACTION displayed, the square root of 2 is $1^{13}/_{32}$ and $30 \times 5\%$ is $1^{1}/_{2}$.

Memory Calculations

To store a value in memory, simply press **M+** when the value is on the display.

To add a value to memory, enter the number or calculation you want to add, then press **M+**. The calculator totals the current calculation (if one is pending) and adds that value to memory.

Note: M appears in the upper left corner of the right display to show that a value is stored in memory.

To subtract a value from memory, enter the number or calculation you want to subtract, then press **M–**. The calculator

totals the current calculation (if one is pending) and subtracts that value from memory.

To recall the value from memory, press **MRC** (memory recall). The memory value appears.

To clear the contents in memory, press **MRC** again so *M* disappears.

Note: M+ and **M–** are repeating keys, so if you press the key 2, 3, or 4 times, the displayed number is added to (or subtracted from) memory 2, 3, or 4 times.

Calculation Errors

ERROR appears on the right display when:

- A calculation result exceeds 99’999’999.

- You try to divide by 0.
- You try to calculate the square root of a negative number.
- A memory calculation result exceeds 99’999’999. Memory contents remain unchanged.

If ERROR appears, press **C/CE** or **ON/OFF (AC)** to clear the error.

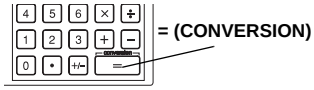
CONVERSIONS

Your conversion calculator easily converts measurements between U.S. and metric for length, area, cubic, volume, weight, temperature, pressure and energy.

1. Enter the number you want to convert. The number appears on the right display.

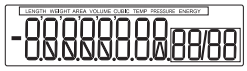
2. Select the unit which you want to convert from.

3. Press **=** (**CONVERSION**).



4. Select the unit which you want to convert to. The result of the conversion appears on the left display.

Left Display



Notes:

- If the result of a conversion is higher than 99’999’999, OVERFLOW appears for about 2 seconds then 0. appears.

- If the conversion is not in the same measurement group, ERROR appears for about 2 seconds, then the screen shows the last display.

- You can only convert between “hp” and “kW”, “ca” and “J” in energy conversion, otherwise, ERROR appears for about 2 seconds.

To Convert	To	You Press	You See
2.2 centimeters	inches	**2.2 cm = in**	0.8661417
25 square feet	square meters	**25 ft^2 = m^2**	2.322576
27 cubic yards	cubic meters	**27 yd^3 = m^3**	20.642981
1.2 cups	tablespoon	**1.2 cup = tbsp**	19.2
2 gallons	liters	**2 gal = L**	7.5708236

To Convert	To	You Press	You See
65 pounds	kilo-grams	**65 lb = kg**	29.483504
1 Fahrenheit	Centi-grade	**1 F° = C°**	-17.222222

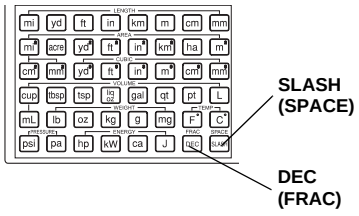
You can also link conversions without re-entering the number.

For example, to convert cups to pints to gallons, enter the number of cups, press **cup**, then **= pt**, then **= gal**. The conversion for each unit appears after you press **=** and its key.

DECIMALS AND FRACTIONS

Using the DEC (FRAC) Key

Use the **DEC** (**FRAC**) key to display a number in fraction or decimal form. ***FRACTION*** appears on the right display when a number is displayed as a fraction and ***DECIMAL*** appears when a number is displayed as a decimal. Press **DEC** (**FRAC**) then **=** (**CONVERSION**) to change the displayed number.



Using the SLASH (SPACE) Key

To enter a fraction, press **SLASH** (**SPACE**) before you enter the integer, then again before you enter the numerator, then again before you enter the denominator.

For example, to enter $^{7}/_{8}$, press **SLASH** first, then **0**, then **SLASH** again, then **7**, then **SLASH**, and then **8**.

Notes:

- The calculator only converts commonly used units of measurement ($^{x}/_{2}$, $^{x}/_{4}$, $^{x}/_{8}$, $^{x}/_{16}$, $^{x}/_{32}$ and $^{x}/_{64}$). The numerator and denominator can each be only two digits long.
- When you enter a number as a fraction using the **SLASH** key and *DECIMAL* is on the display, the number

automatically changes to a decimal when you press an operator key (**%**, √, **÷**, **×**, **–**, **+**) or **=**.

❒ *Care*

Keep the calculator dry. Use and store the calculator only in normal temperature environments. Handle the calculator carefully; do not drop it. Keep the calculator away from dust and dirt, and wipe it with a damp cloth occasionally to keep it looking new.

Modifying or tampering with the calculator's internal components can cause a malfunction and invalidate its warranty. If your calculator is not performing as it should, take it to your local RadioShack store for assistance.

REPLACING THE BATTERY

If the display dims or the calculator speed slows down, replace the battery with one CR2025 button-cell battery.

Caution: Use only a fresh battery of the required size and type.

1. Remove the battery compartment cover by sliding it in the direction of the arrow marked on the cover.

2. Use a flat-bladed screwdriver to gently pry the battery out of the battery holder.

   Cautions:

   - Always remove an old or weak battery. The battery can leak

chemicals that can destroy electronic parts.

- Dispose of the old battery promptly and properly. Do not burn or bury it.
- Keep the battery out of reach of children. Swallowing a button-cell battery can be fatal.

3. Position the new battery with its positive (+) side up, then press the battery into the holder.
4. Reset the calculator (see “Resetting the Calculator” on Page 19).
5. Replace the battery cover.

RESETTING THE CALCULATOR

Whenever you replace the battery, or if the calculator stops operating properly, you must reset the calculator. Use a pointed object (such as a straightened paper clip) to press **RESET** inside battery compartment.

❒ *Specifications*

Batteries (Included) ..... One CR2025 Lithium Button-cell Battery

Dimension (HWD) ..... $5^1/_8 \times 3^1/_8 \times {}^3/_8$ Inches ($130 \times 80 \times 10$ mm)

Weight ..... 4.6 oz (130 g)

Specifications are typical; individual units might vary. Specifications are subject to change and improvement without notice.

Limited One-Year Warranty

This product is warranted by RadioShack against manufacturing defects in material and workmanship under normal use for one (1) year from the date of purchase from RadioShack company-owned stores and authorized RadioShack franchisees and dealers. EXCEPT AS PROVIDED HEREIN, RadioShack MAKES NO EXPRESS WARRANTIES AND ANY IMPLIED WARRANTIES, INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE DURATION OF THE WRITTEN LIMITED WARRANTIES CONTAINED HEREIN. EXCEPT AS PROVIDED HEREIN, RadioShack SHALL HAVE NO LIABILITY OR RESPONSIBILITY TO CUSTOMER OR ANY OTHER PERSON OR ENTITY WITH RESPECT TO ANY LIABILITY, LOSS OR DAMAGE CAUSED DIRECTLY OR INDIRECTLY BY USE OR PERFORMANCE OF THE PRODUCT OR ARISING OUT OF ANY BREACH OF THIS WARRANTY, INCLUDING, BUT NOT LIMITED TO, ANY DAMAGES RESULTING FROM INCONVENIENCE, LOSS OF TIME, DATA, PROPERTY, REVENUE, OR PROFIT OR ANY INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, EVEN IF RadioShack HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Some states do not allow limitations on how long an implied warranty lasts or the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you.

In the event of a product defect during the warranty period, take the product and the RadioShack sales receipt as proof of purchase date to any RadioShack store. RadioShack will, at its option, unless otherwise provided by law: (a) correct the defect by product repair without charge for parts and labor; (b) replace the product with one of the same or similar design; or (c) refund the purchase price. All replaced parts and products, and products on which a refund is made, become the property of RadioShack. New or reconditioned parts and products may be used in the performance of warranty service. Repaired or replaced parts and products are warranted for the remainder of the original warranty period. You will be charged for repair or replacement of the product made after the expiration of the warranty period.

This warranty does not cover: (a) damage or failure caused by or attributable to acts of God, abuse, accident, misuse, improper or abnormal usage, failure to follow instructions, improper installation or maintenance, alteration, lightning or other incidence of excess voltage or current; (b) any repairs other than those provided by a RadioShack Authorized Service Facility; (c) consumables such as fuses or batteries; (d) cosmetic damage; (e) transportation, shipping or insurance costs; or (f) costs of product removal, installation, set-up service adjustment or reinstallation.

This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

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